

Hammer, Edward

From: Minahan, Kristi L - DNR <Kristi.Minahan@wisconsin.gov>
Sent: Wednesday, April 18, 2018 10:19 AM
To: Anson, Robie; Pfeifer, David; Hemken, Meghan; Hammer, Edward
Subject: RE: updated WQS Handbook?

Thanks for the input, Robie. I'll at least update the Handbook citation then.
K.

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From: Anson, Robie [mailto:anson.robie@epa.gov]
Sent: Wednesday, April 18, 2018 9:02 AM
To: Minahan, Kristi L - DNR; Pfeifer, David; Hemken, Meghan; Hammer, Edward
Subject: RE: updated WQS Handbook?

Hi Kristi,

I'm not 100% certain on the answer to your question re: the Handbook, but I think that your proposed citation makes sense. The cover page that we have posted online still says second edition, so I think I would continue to use that info. And simply indicate which chapter(s) you are considering and when they were most recently updated.

Re: your second question, I believe that the first 3 citations are to our red/green/gold books, which have not been updated, per se. Our 304(a) criteria are the new & improved way that we publish criteria recommendations. Those seem to be captured in (g). To me, it seems like you could choose to update the language in the section, but that it is broad enough to allow you to consider a variety of sources when evaluating whether new criteria are necessary and what those new criteria must be to protect uses.

Hope that helps.

Robie Anson

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From: Minahan, Kristi L - DNR [<mailto:Kristi.Minahan@wisconsin.gov>]
Sent: Tuesday, April 17, 2018 10:20 AM
To: Pfeifer, David <pfeifer.david@epa.gov>; Hemken, Meghan <Hemken.Meghan@epa.gov>; Anson, Robie <anson.robie@epa.gov>; Hammer, Edward <hammer.edward@epa.gov>
Subject: updated WQS Handbook?

Hi Dave & all. We've got references to some old docs in our code, and could update them while we've got the code open for revisions. One is the EPA WQS Handbook. Our NR 105 (Toxics criteria) code says "Criteria may be modified for site-specific considerations according to the USEPA "Water Quality Standards Handbook" Second Edition, revised 1994." I see from the website that different pieces were revised at different times (see clip below). Do you know how we should reference this? All I can think of is "USEPA "Water Quality Standards Handbook" Second Edition, Chapter 3, revised 2017." i.e. referencing the chapter specific to criteria. Also, is this still considered the Second Edition, or should I take that part out?

Also, there is a list of several other publications in ch. NR 105 that should probably be revised but I don't know whether any of these have new versions. (see other clip below). A couple are EPA docs. Can you let me know if there is a new version we should be using instead?

This isn't urgent, but would be good to do if we can. Kristi

Use the Handbook

- [Chapter 1: General Provisions \(PDF\)](#) (10 pp, 325 K) (updated 9/2014)
- [Chapter 2: Designation of Uses \(PDF\)](#) (39 pp, 776 K) (updated 2012)
- [Chapter 3: Water Quality Criteria \(PDF\)](#) (28 pp, 1 MB) (updated 2017)
- [Chapter 4: Antidegradation \(PDF\)](#) (19 pp, 764 K) (updated 2012)
- [Chapter 5: General Policies \(PDF\)](#) (18 pp, 560 K) (updated 9/2014)
- [Chapter 6: Procedures for Review and Revision of Water Quality Standards \(PDF\)](#) (14 pp, 487 K) (updated 8/2014)
- [Chapter 7: Water Quality Standards and the Water Quality-based Approach to Pollution Control \(PDF\)](#) (14 pp, 479 K) (updated 1/2015)

NR 105.045 Use of scientific data to develop criteria and secondary values. **Renumber this section as s. NR 105.045**

(1) The determination of the criteria or secondary values for substances as calculated under ss. NR 105.05 to 105.09 shall be based upon the available scientific data base. References to be used in obtaining scientific data may include, but are not limited to:

- (a) "Water Quality Criteria 1972", EPA-R3-73-033, National Academy of Sciences, National Academy of Engineering, United States Government Printing Office, Washington, D.C., 1974.
- (b) "Quality Criteria for Water", EPA-440/9-76-003, United States Environmental Protection Agency, Washington, D.C., 1976.
- (c) October 1980 and January 1985 U.S. Environmental Protection Agency (EPA) ambient water quality criteria documents.
- (d) "Public Health Related Groundwater Standards: Summary of Scientific Support Documentation for NR 140.10", Wisconsin Department of Health and Social Services, Division of Health, September 1985.
- (e) "Public Health Related Groundwater Standards - 1986: Summary of Scientific Support Documentation for NR 140.10", Wisconsin Department of Health and Social Services, Division of Health, June 1986.
- (f) Health advisories published on March 31, 1987 by EPA, Office of Drinking Water.
- (g) Any other reports, documents or information published by EPA or any other federal agency.
- (h) Any other reports, documents or information that the department, deems to be reliable.

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